FIG. 1

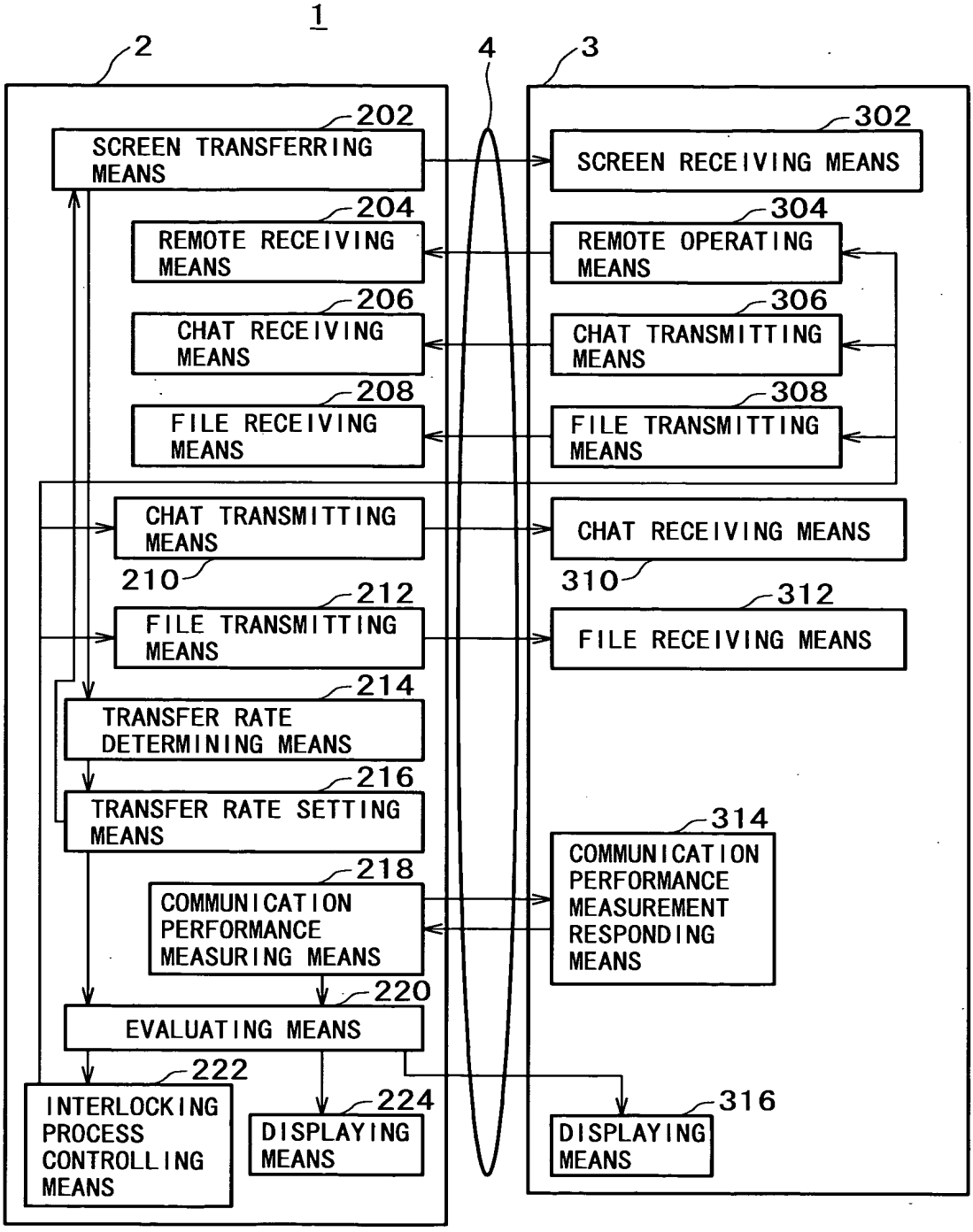

1
2
4
3
202
SCREEN TRANSFERRING MEANS
302
SCREEN RECEIVING MEANS
204
REMOTE RECEIVING MEANS
304
REMOTE OPERATING MEANS
206
CHAT RECEIVING MEANS
306
CHAT TRANSMITTING MEANS
208
FILE RECEIVING MEANS
308
FILE TRANSMITTING MEANS
CHAT TRANSMITTING MEANS
CHAT RECEIVING MEANS
210
310
212
FILE TRANSMITTING MEANS
312
FILE RECEIVING MEANS
214
TRANSFER RATE DETERMINING MEANS
216
TRANSFER RATE SETTING MEANS
314
COMMUNICATION PERFORMANCE MEASUREMENT RESPONDING MEANS
218
COMMUNICATION PERFORMANCE MEASURING MEANS
220
EVALUATING MEANS
222
INTERLOCKING PROCESS CONTROLLING MEANS
224
DISPLAYING MEANS
316
DISPLAYING MEANS

FIG. 2

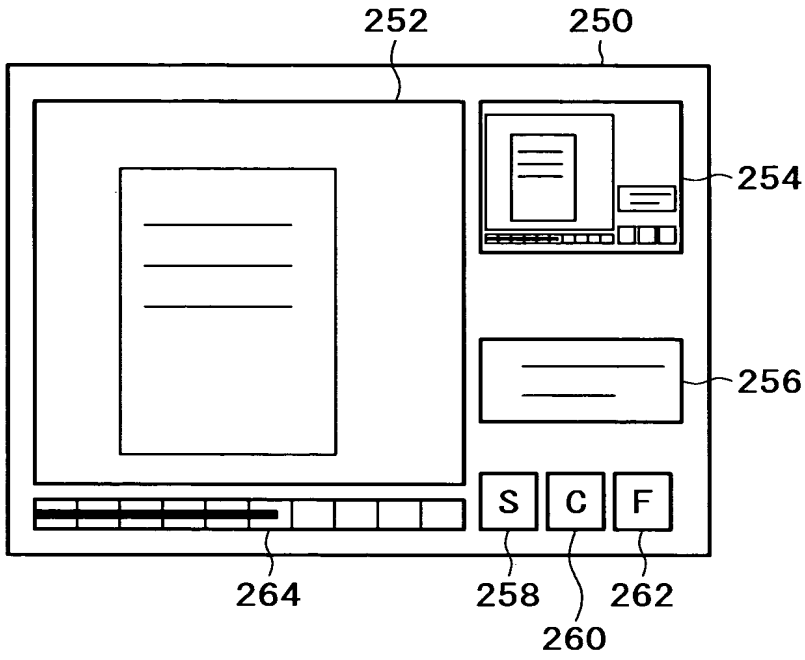

252
250
254
256
S
C
F
264
258
260
262

FIG. 3

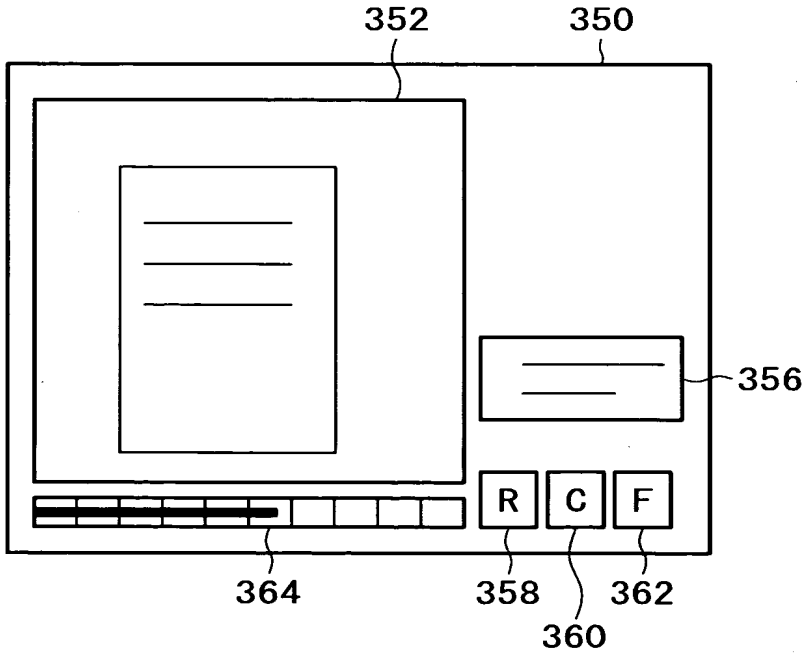

352
350
356
R
C
F
364
358
360
362

FIG. 4

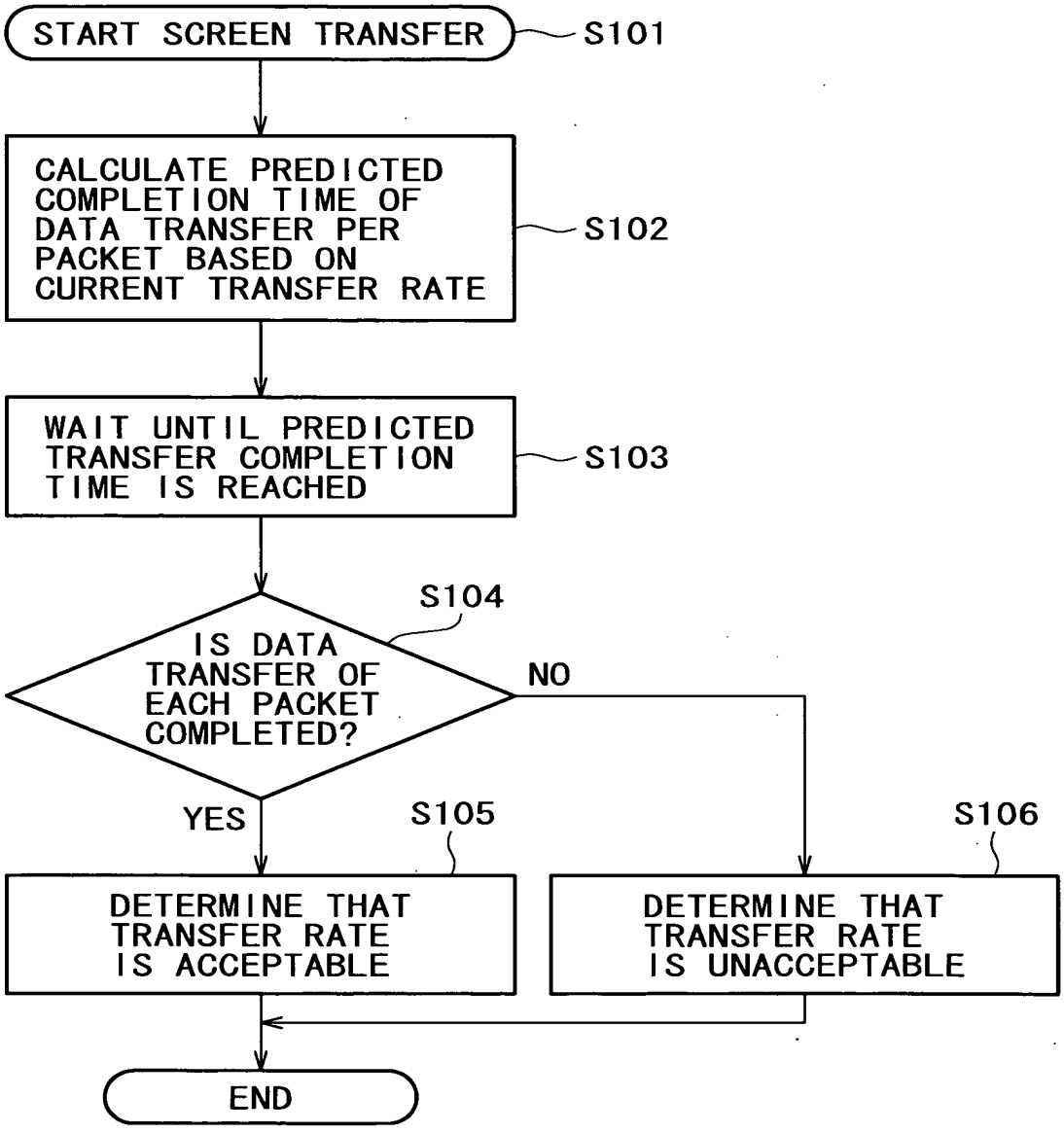

START SCREEN TRANSFER
S101
CALCULATE PREDICTED COMPLETION TIME OF DATA TRANSFER PER PACKET BASED ON CURRENT TRANSFER RATE
S102
WAIT UNTIL PREDICTED TRANSFER COMPLETION TIME IS REACHED
S103
S104
IS DATA TRANSFER OF EACH PACKET COMPLETED?
NO
YES
S105
S106
DETERMINE THAT TRANSFER RATE IS ACCEPTABLE
DETERMINE THAT TRANSFER RATE IS UNACCEPTABLE
END

FIG. 5

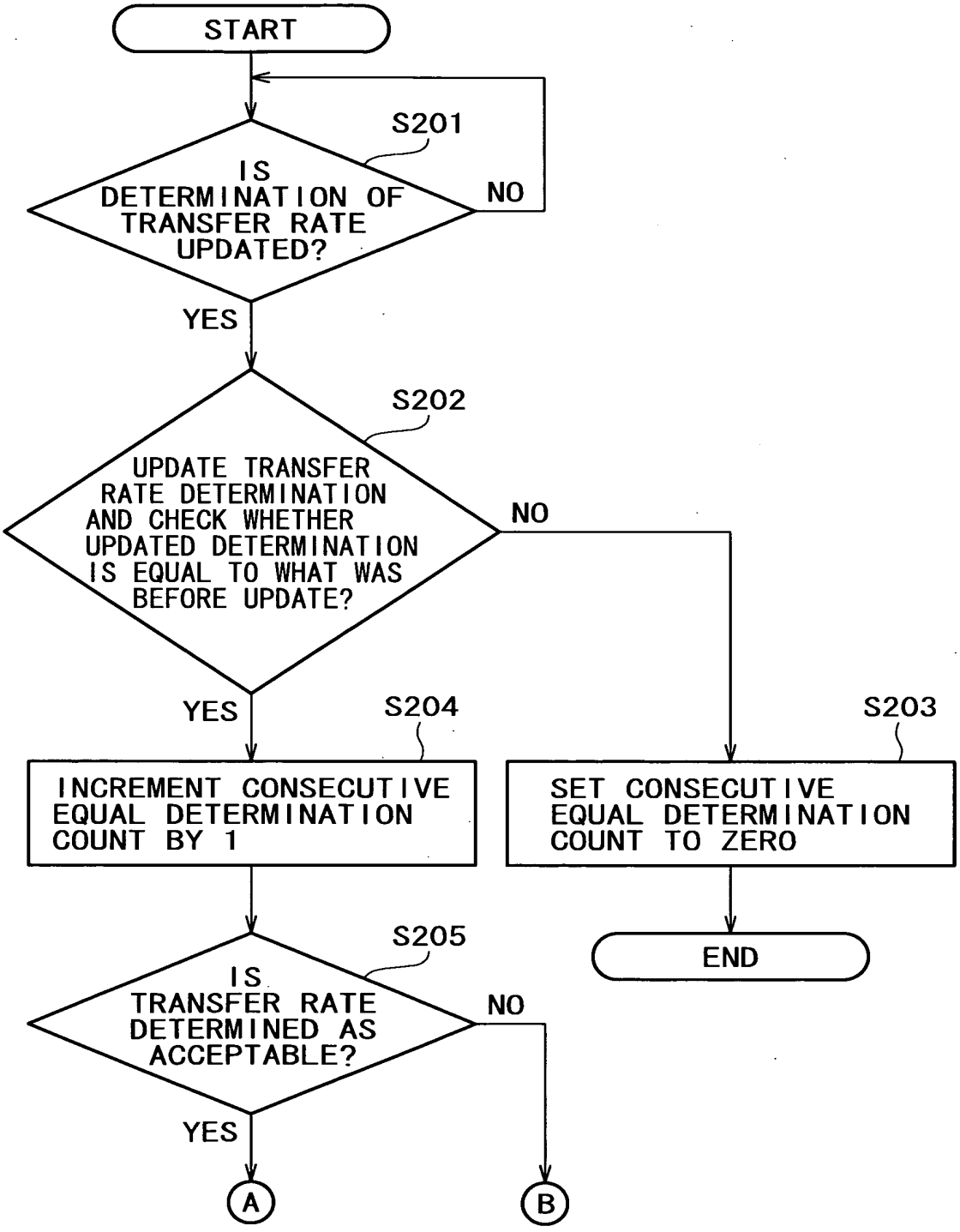

START
S201
IS DETERMINATION OF TRANSFER RATE UPDATED?
NO
YES
S202
UPDATE TRANSFER RATE DETERMINATION AND CHECK WHETHER UPDATED DETERMINATION IS EQUAL TO WHAT WAS BEFORE UPDATE?
NO
YES
S204
INCREMENT CONSECUTIVE EQUAL DETERMINATION COUNT BY 1
S203
SET CONSECUTIVE EQUAL DETERMINATION COUNT TO ZERO
END
S205
IS TRANSFER RATE DETERMINED AS ACCEPTABLE?
NO
YES
A
B

FIG. 6

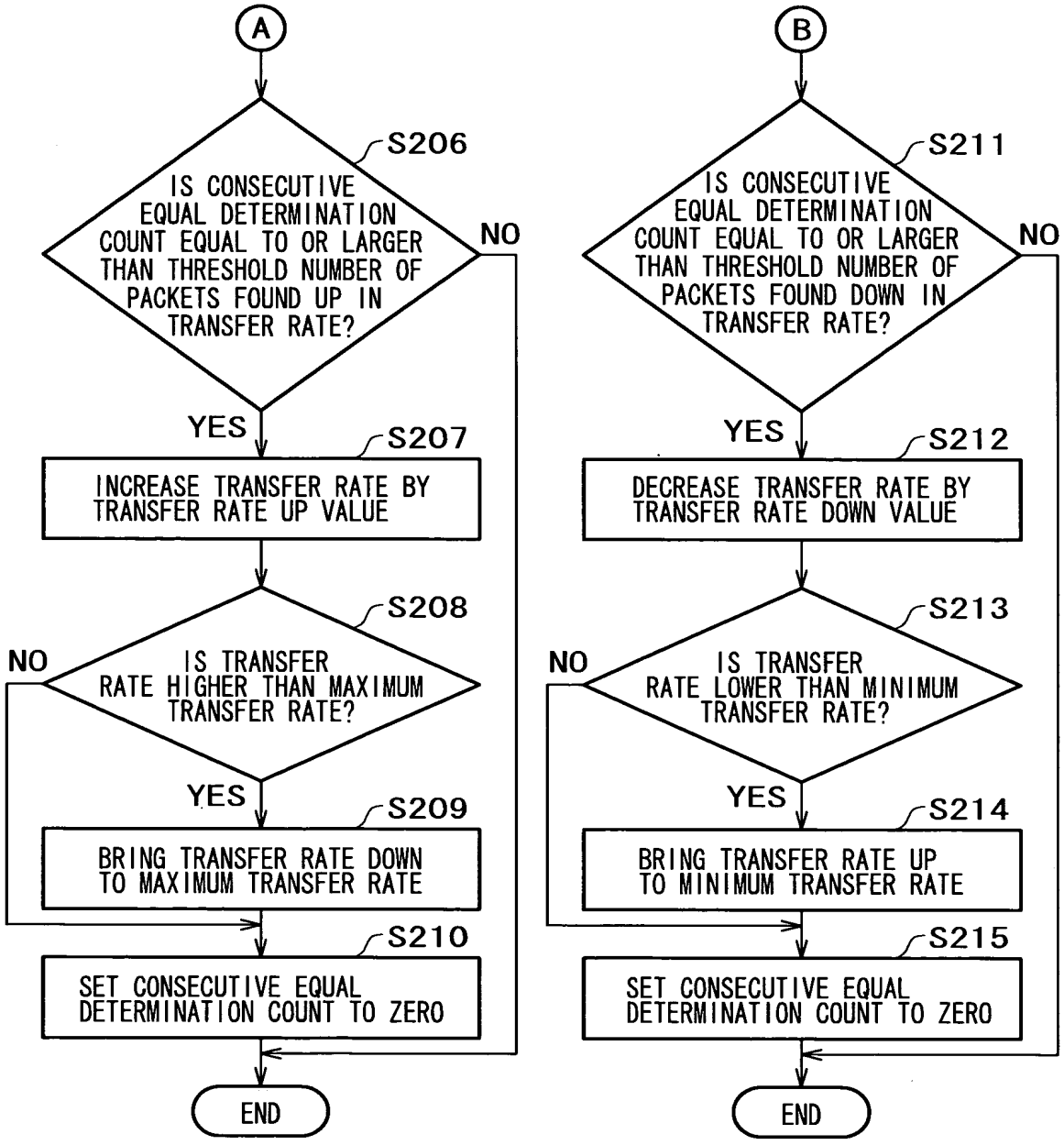

A
S206
IS CONSECUTIVE EQUAL DETERMINATION COUNT EQUAL TO OR LARGER THAN THRESHOLD NUMBER OF PACKETS FOUND UP IN TRANSFER RATE?
NO
YES
S207
INCREASE TRANSFER RATE BY TRANSFER RATE UP VALUE
S208
IS TRANSFER RATE HIGHER THAN MAXIMUM TRANSFER RATE?
NO
YES
S209
BRING TRANSFER RATE DOWN TO MAXIMUM TRANSFER RATE
S210
SET CONSECUTIVE EQUAL DETERMINATION COUNT TO ZERO
END
B
S211
IS CONSECUTIVE EQUAL DETERMINATION COUNT EQUAL TO OR LARGER THAN THRESHOLD NUMBER OF PACKETS FOUND DOWN IN TRANSFER RATE?
NO
YES
S212
DECREASE TRANSFER RATE BY TRANSFER RATE DOWN VALUE
S213
IS TRANSFER RATE LOWER THAN MINIMUM TRANSFER RATE?
NO
YES
S214
BRING TRANSFER RATE UP TO MINIMUM TRANSFER RATE
S215
SET CONSECUTIVE EQUAL DETERMINATION COUNT TO ZERO
END

FIG. 7

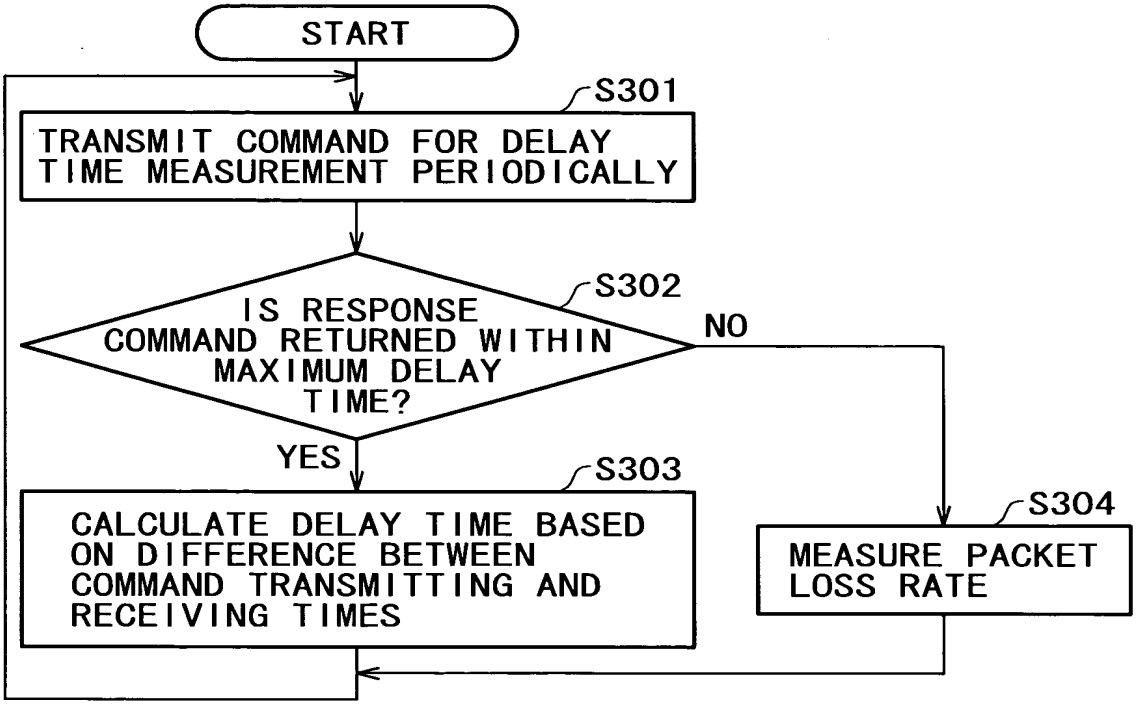

START
S301
TRANSMIT COMMAND FOR DELAY TIME MEASUREMENT PERIODICALLY
S302
IS RESPONSE COMMAND RETURNED WITHIN MAXIMUM DELAY TIME?
NO
YES
S303
CALCULATE DELAY TIME BASED ON DIFFERENCE BETWEEN COMMAND TRANSMITTING AND RECEIVING TIMES
S304
MEASURE PACKET LOSS RATE

FIG. 8

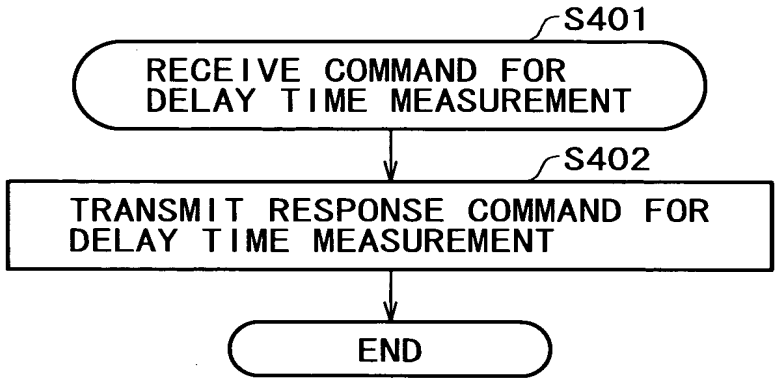

S401
RECEIVE COMMAND FOR DELAY TIME MEASUREMENT
S402
TRANSMIT RESPONSE COMMAND FOR DELAY TIME MEASUREMENT
END

FIG. 9

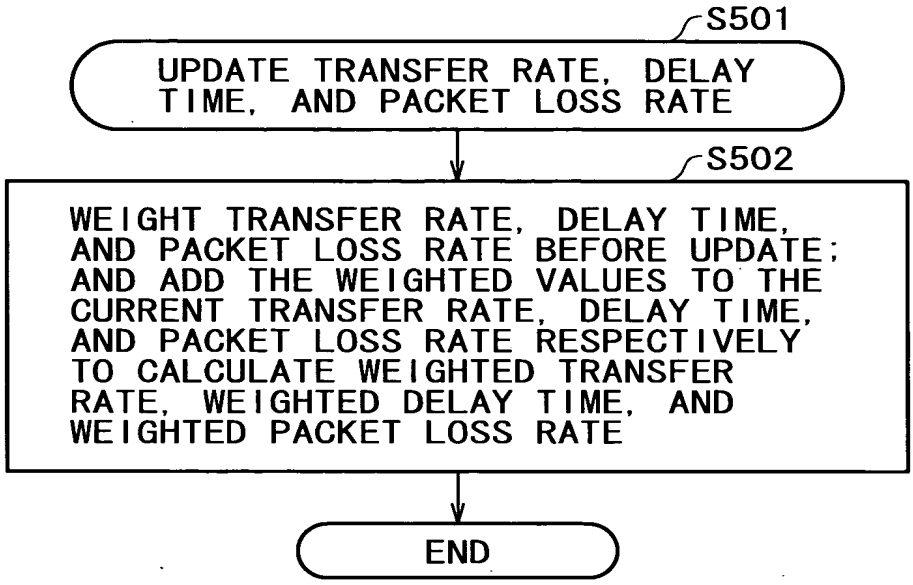

S501
UPDATE TRANSFER RATE, DELAY TIME, AND PACKET LOSS RATE
S502
WEIGHT TRANSFER RATE, DELAY TIME, AND PACKET LOSS RATE BEFORE UPDATE; AND ADD THE WEIGHTED VALUES TO THE CURRENT TRANSFER RATE, DELAY TIME, AND PACKET LOSS RATE RESPECTIVELY TO CALCULATE WEIGHTED TRANSFER RATE, WEIGHTED DELAY TIME, AND WEIGHTED PACKET LOSS RATE
END

FIG. 10

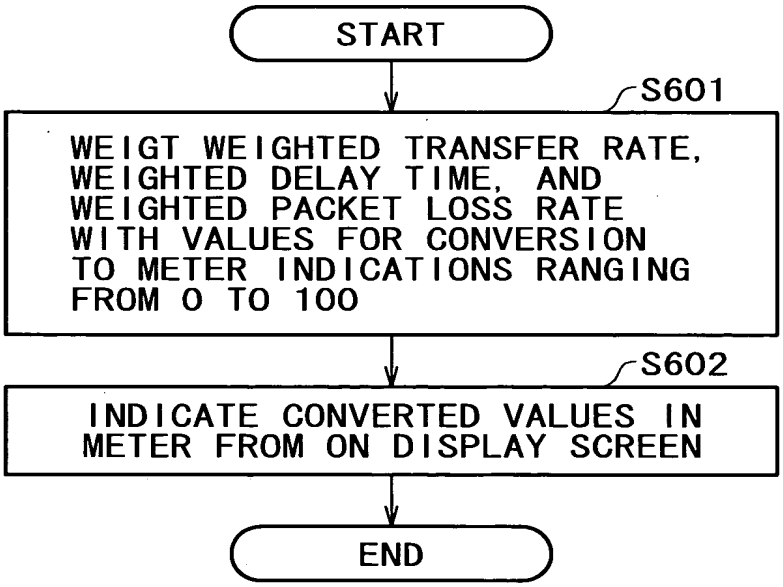
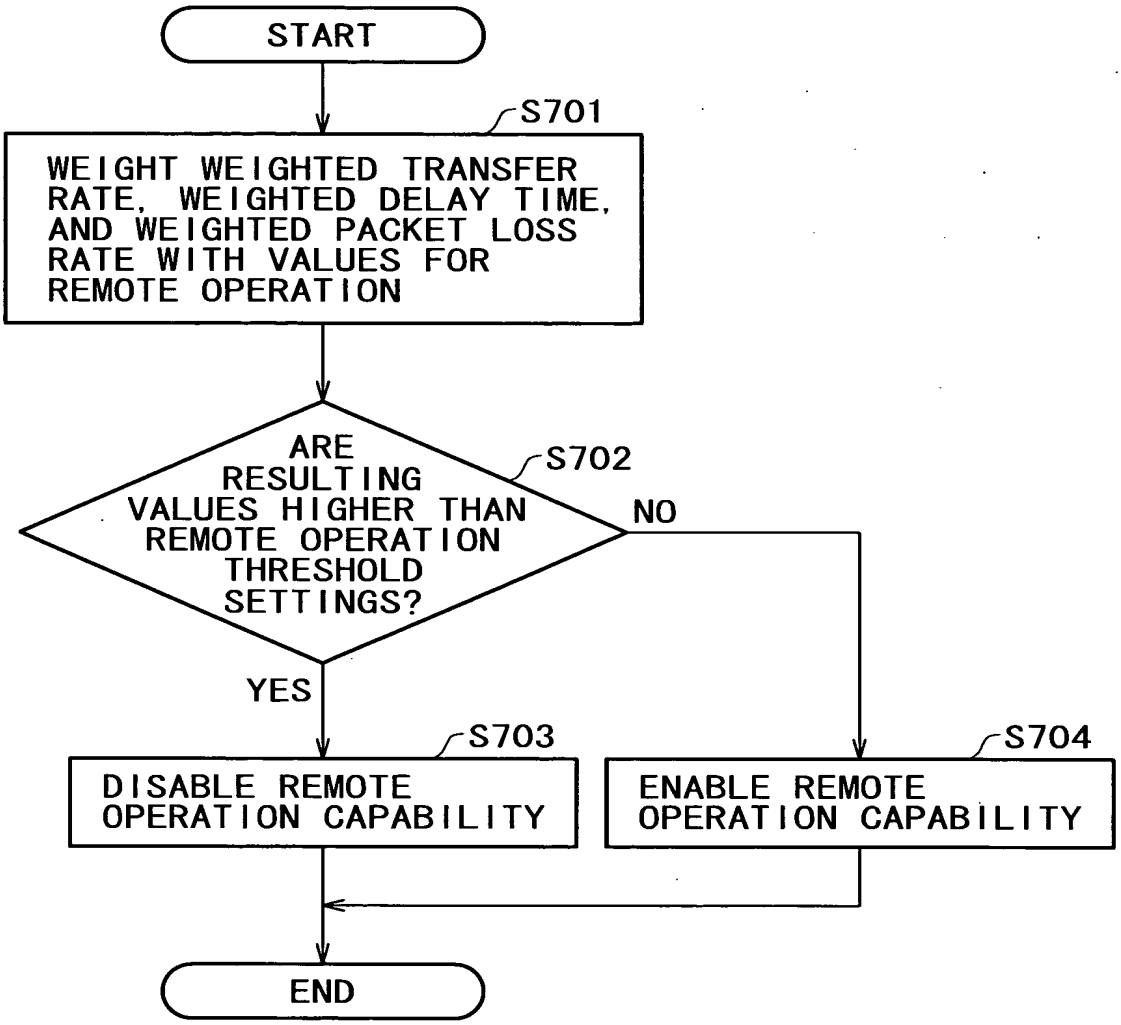

START
S601
WEIGT WEIGHTED TRANSFER RATE, WEIGHTED DELAY TIME, AND WEIGHTED PACKET LOSS RATE WITH VALUES FOR CONVERSION TO METER INDICATIONS RANGING FROM 0 TO 100
S602
INDICATE CONVERTED VALUES IN METER FROM ON DISPLAY SCREEN
END

FIG. 11


START
S701
WEIGHT WEIGHTED TRANSFER RATE, WEIGHTED DELAY TIME, AND WEIGHTED PACKET LOSS RATE WITH VALUES FOR REMOTE OPERATION
S702
ARE RESULTING VALUES HIGHER THAN REMOTE OPERATION THRESHOLD SETTINGS?
NO
YES
S703
DISABLE REMOTE OPERATION CAPABILITY
S704
ENABLE REMOTE OPERATION CAPABILITY
END